

CLAIMS

1. An information processing apparatus for executing content transmission, comprising:

5 a storage unit which stores content and property information as content-attribute information;

a data transmitting/receiving unit which executes data transmission and reception with a client as a content-information requesting device; and

10 a content extracting unit which, in response to a content request from the client, executes acquiring requested content from the storage unit,

wherein:

the property information includes index information as  
15 partial-content-region identification information; and

the content extracting unit is configured to execute acquiring partial content data specified by the index information on the condition that the content request from the client includes partial playback specification, and to  
20 execute transmitting the partial content data to the client.

2. The information processing apparatus according to Claim 1, wherein:

the index information includes:

25 index-start-position information representing, as

start-position information of the partial content data,  
information of a time or a data amount from the start of the  
content; and

index-region information, as region information of  
5 partial content data, representing a time or data amount  
from the index-start position; and

the content extracting unit is configured to execute  
acquiring partial content data specified by the index-start-  
position information and the index-region information.

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3. The information processing apparatus according to  
Claim 1, further comprising a content-information generating  
unit which, based on the property information, generates  
content information to be transmitted to the client,

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wherein the content-information generating unit is  
configured to execute acquiring index information from  
property information corresponding to the requested content  
on the condition that a content request from the client  
includes partial playback specification, and transmitting  
20 the acquired index information.

4. The information processing apparatus according to  
Claim 1, further comprising a content-information generating  
unit which, based on the property information, content  
25 information to be transmitted to the client,

wherein the content-information generating unit is configured to execute generating the content information by defining, for each property, data editing information allowable for each piece of the property information, and  
5 transmitting the generated information to the client.

5. The information processing apparatus according to Claim 4, wherein the data editing information includes information which sets permission of at least one of  
10 rewriting, addition, and deletion of the property information.

6. An information processing apparatus for performing acquiring content, comprising:  
15 a data transmitting/receiving unit which executes data transmission and reception with a server retaining the content;

a content requesting unit which generates, as content request data to the server, content request data including  
20 partial content playback information; and

a content playback control unit which executes controlling playback of partial content received from the server through the data transmitting/receiving unit.

25 7. The information processing apparatus according to

Claim 6, further comprising a content-information analyzing unit which executes analyzing property information corresponding to content received from the server and generating display information; and

- 5       a display unit which displays the display information generated by the content-information analyzing unit,  
      wherein the content-information analyzing unit is configured to execute generating, based on index information included in the content information received from the server,  
10   display information in which an index region of the content is recognizable, and to output the display information on the display unit.

8. The information processing apparatus according to  
15   Claim 6, further comprising:

- a content-information analyzing unit which executes analyzing property information corresponding to content received from the server and generating display information; and  
20       a display unit which displays the display information generated by the content-information analyzing unit,  
      wherein the content-information analyzing unit is configured to execute generating display information in which data editing information is recognizable for each  
25   piece of property information as a component of content

information received from the server.

9. An information processing method for executing content transmission, comprising:

- 5 a step of receiving a content request from a client;
- a step of determining whether or not partial playback specification is included in the content request from the client;
- a step of executing, on the condition that the partial
- 10 playback specification is included in the content request from the client, acquiring index information as partial-content-region identification information from the property information as content attribute information;
- a step of executing acquiring partial content data
- 15 specified by the index information; and
- a step of transmitting the extracted partial content data to the client.

10. The information processing method according to Claim  
20 9, wherein:

- the index information includes:
  - index-start-position information representing, as
  - start-position information of the partial content data,
  - information of a time or a data amount from the start of the
  - 25 content; and

index-region information, as region information of partial content data, representing a time or data amount from the index-start position; and

the content extracting step executes acquiring partial  
5 content data specified by the index-start-position information and the index-region information.

11. The information processing method according to Claim 9, further comprising a step of, on the condition that a  
10 content request includes partial playback specification, acquiring index information from property information corresponding to the requested content from the client, and transmitting the acquired information to the client.

15 12. The information processing method according to Claim 9, further comprising a step of executing generating the content information by defining, for each property, data editing information allowable for each piece of the property information, and transmitting the generated information to  
20 the client.

13. The information processing method according to Claim 12, wherein the data editing information includes information which sets permission of at least one of  
25 rewriting, addition, and deletion of the property

information.

14. An information processing method for performing acquiring content, comprising:

- 5       a content requesting step of generating, content request data, content request data including partial-content-playback request information, and transmitting the data to a server; and
- a content playback control step of executing
- 10   controlling playback of partial content received from the server.

15. The information processing method according to Claim 14, further comprising:

- 15       a content-information analyzing step of executing analyzing property information corresponding to content received from the server and generating display information; and
- a display step of displaying the display information
- 20   generated in the content-information analyzing unit,
- wherein the content-information analyzing step executes generating, based on index information included in the content information received from the server, display information in which an index region of the content is
- 25   recognizable, and outputs the display information to the

display unit.

16. The information processing method according to Claim 14, further comprising:

5       a content-information analyzing step of executing analyzing property information corresponding to content received from the server and generating display information; and

10       a display step of displaying the display information generated in the content-information analyzing unit; and wherein the content-information analyzing step executes generating display information in which data editing information is recognizable for each piece of property information as a component of content information received  
15       from the server.

17. A computer program for executing content transmission, comprising:

20       a step of receiving a content request from a client; a step of determining whether or not partial playback specification is included in the content request from the client;

25       a step of executing, on the condition that the partial playback specification is included in the content request from the client, acquiring index information as partial-

content-region identification information from the property information as content attribute information;

a step of executing acquiring partial content data specified by the index information; and

5 a step of transmitting the extracted partial content data to the client.

18. A computer program for performing acquiring content, comprising:

10 a content requesting step of generating, content request data, content request data including partial-content-playback request information, and transmitting the data to a server; and

a content playback control step of executing  
15 controlling playback of partial content received from the server.